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**Examiner:** Ayal I. Sharon

**Group:** 2123

**Date:** October 4, 2007

**Client Code:** 1086

**Facsimile No.:** 571-273-8300

**From:** Jean-Paul Cass, Esq.  
Registration No.: 46,605

**Subject:** Response to Final Office Action Dated September 6, 2007

**Docket No.:** 1086.2002-001

**Applicants:** Paul Turner, John P. Guiver, Brian Lines and S. Steven Treiber

**Application No.:** 09/892,586

**Filing Date:** June 27, 2001

Number of pages including this cover sheet: 39

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### Comments:

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757922\_1  
SGLG/MLW/JPC/ml  
October 1, 2007

PATENT APPLICATION  
DOCKET NO 1086.2002-001  
Expedited Procedure under 37 C.F.R. 1.116  
Examining Group 2123

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Paul Turner, John P. Guiver, Brian Lines and S. Steven Treiber

Application No.: 09/892,586 Group: 2123

Filed: June 27, 2001 Examiner: Ayal I. Sharon

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OCT 04 2007

Confirmation No.: 2279

For: COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A  
NON LINEAR APPROXIMATOR OF AN EMPIRICAL PROCESS

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*October 4, 2007 Marianne Lentini*  
 Date *October 4, 2007* Signature  
*Marianne Lentini*  
 Typed or printed name of person signing certificate

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to Final Office Action for filing in the above-identified application.

- Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- A Small Entity Statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

754863\_1  
MLW/SQLG/JPC  
October 4, 2007

PATENT APPLICATION  
Attorney's Docket No. 1086.2002-001  
Expedited Procedure under 37 C.F.R. § 1.116  
Examining Group 2123

## THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Paul Turner, John P. Guiver, Brian Lines and S. Steven Treiber

Application No.: 09/892,586 Group: 2123

Filed: June 27, 2001 Examiner: Ayal I. Sharon

Confirmation No.: 2279

For: COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A NON-LINEAR APPROXIMATOR OF AN EMPIRICAL PROCESS

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*October 4, 2007 Marianne Lentini*

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*Marianne Lentini*

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RESPONSE TO FINAL OFFICE ACTION DATED SEPTEMBER 6, 2007

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Reply is being filed in response to the final Office Action mailed from the U.S. Patent and Trademark Office on September 6, 2007 in the above-identified application. Reconsideration and further examination are requested.

Please amend the application as follows: